

FIG. 6

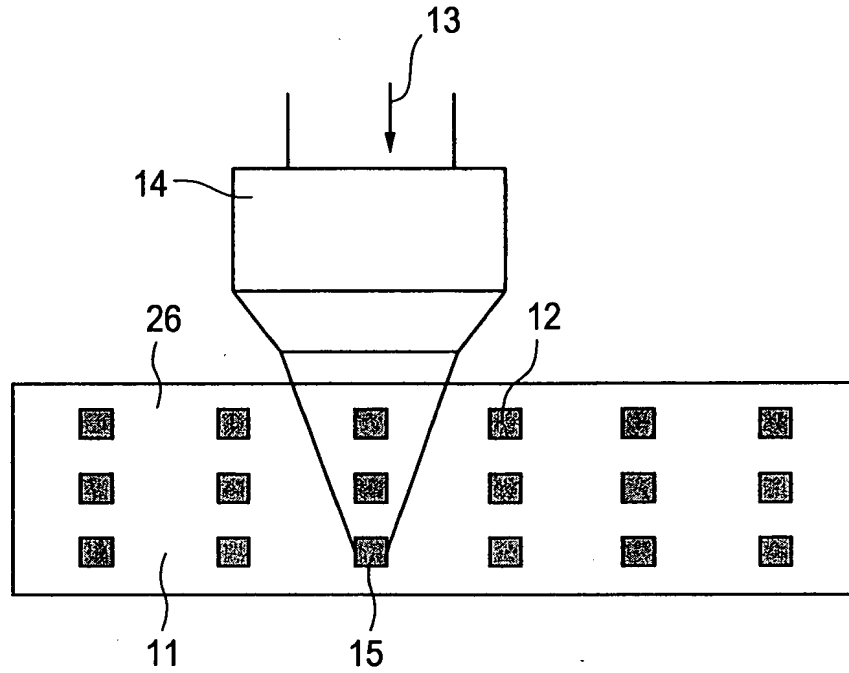
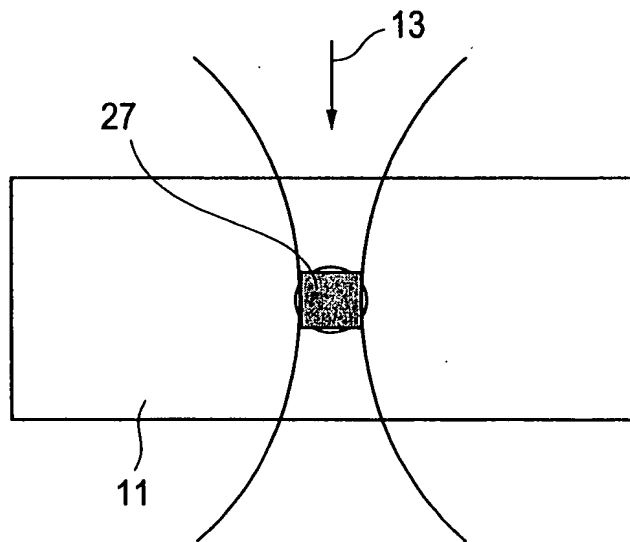


FIG. 7





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FIG. 12

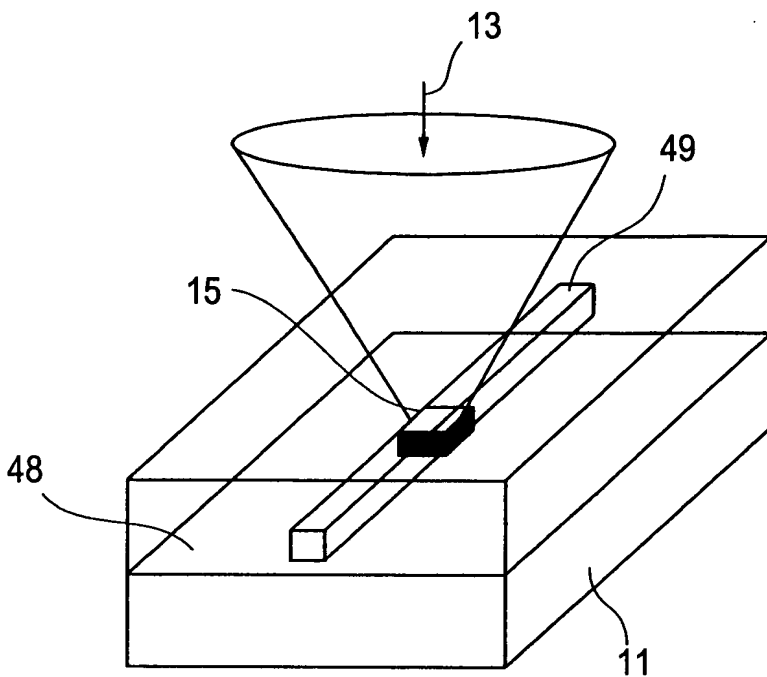


FIG. 13

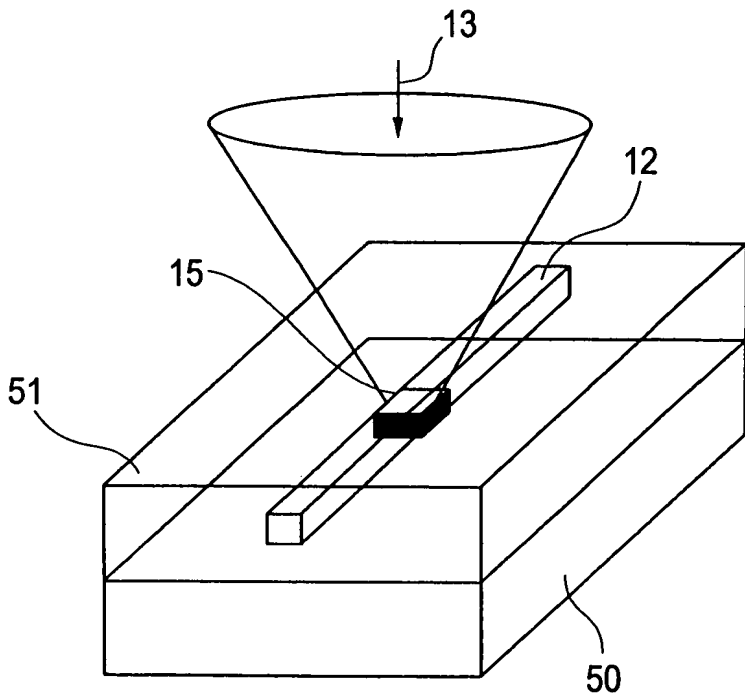


FIG. 14

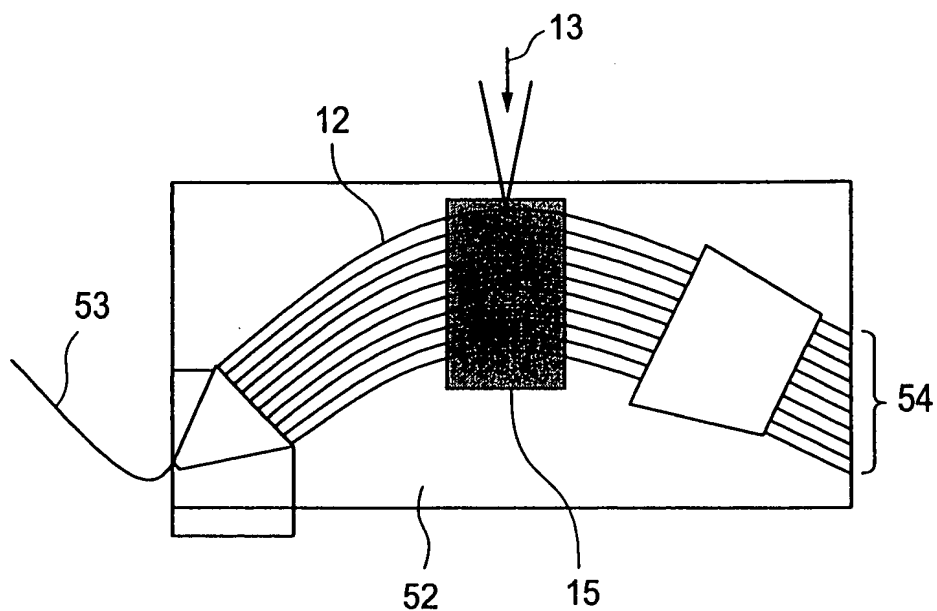
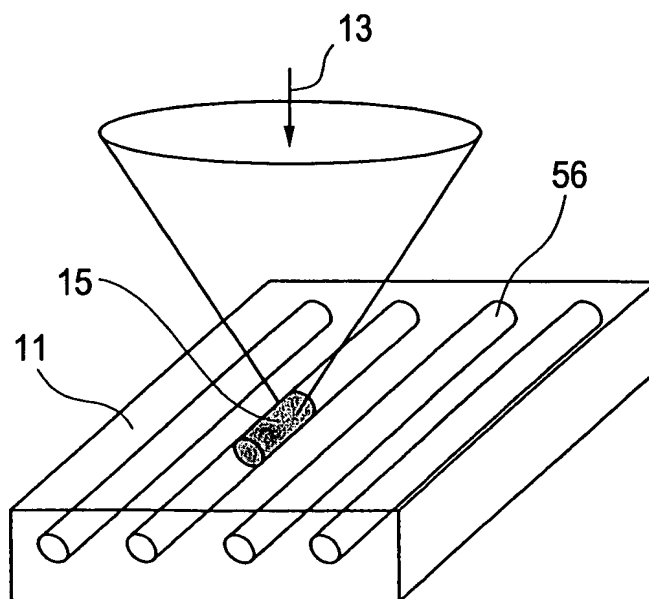
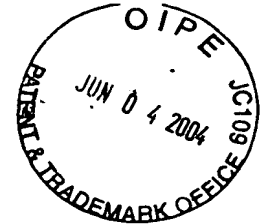


FIG. 15



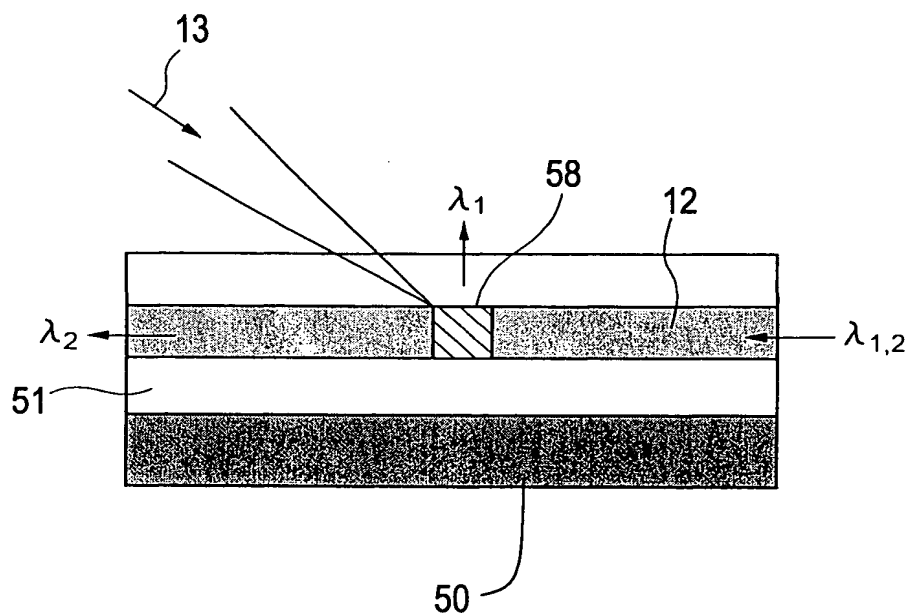
A cross-sectional view of a scanning probe system. A probe tip, labeled 13, is shown scanning a surface, with an arrow labeled "SCANNING" indicating the direction of movement. The probe tip is in contact with a thin layer, labeled 15, which is part of a larger structure, labeled 57. Below this structure is a substrate, labeled 50, which has a textured surface. A layer, labeled 51, is positioned between the probe tip and the substrate. A label 12 points to the substrate area.

The diagram illustrates a photonic crystal slab waveguide. The top portion is a cross-sectional view showing a central core region (12) and cladding regions (15). The core region contains a photonic crystal structure (58) made of a periodic array of rods. The cladding regions are labeled with wavelengths λ_1 and λ_2 , while the core region is labeled with $\lambda_{1,2}$. The bottom portion is a perspective view of the photonic crystal structure (58), showing a periodic array of rods with a lattice constant d .



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FIG. 18





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FIG. 20

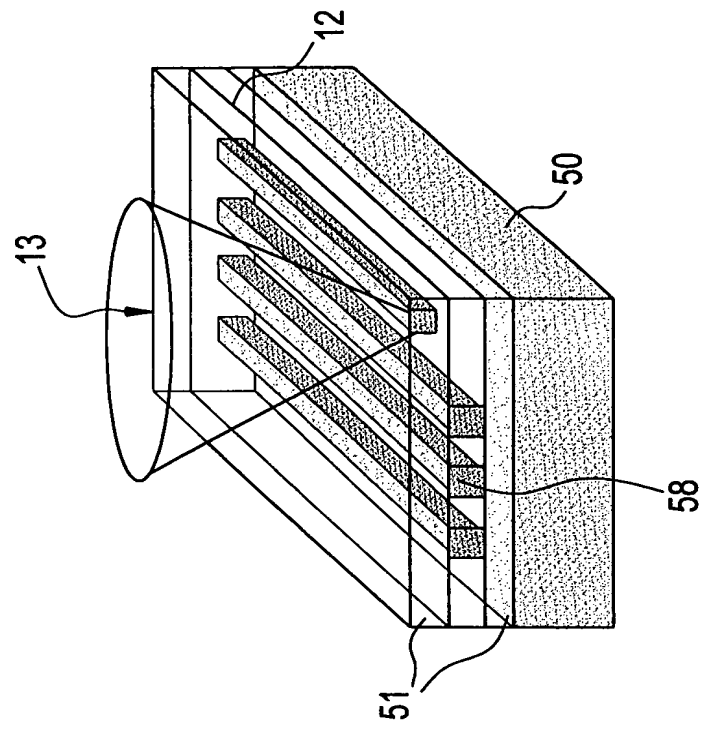


FIG. 19

